AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows. This listing of claims will replace all prior listings.

- 1. (CURRENTLY AMENDED) A vehicle transmission system comprising:
 - an automated mechanical transmission shiftable between a first and a second gear ratio;
 - a first rotational component;
 - a second rotational component movable which rotates relative to said first component;
 - a first sensor adjacent said first motational component;
 - a second sensor adjacent said second rotational component;
 - a controller in communication with said first sensor and said second sensor, said controller operable to determine a relative movement between said first rotational component and said second rotational component indicative of an approximately zero torque condition to initiate a shift between said first and said second gear ratio.
- 2. (ORIGINAL) The vehicle transmission system as recited in claim 1, wherein said first and second sensor are speed sensors.
- 3. (ORIGINAL) The vehicle transmission system as recited in claim 1, wherein said controller identifies a speed irregularity signature generated by said first and second sensor.
- 4. (CURRENTLY AMENDED) The vehicle transmission system as recited in claim 3, wherein said controller identifies a first noise signature component indicative of an said approximately zero torque condition.
- 5. (WITHDRAWN) The vehicle transmission system as recited in claim 1, wherein said controller identifies a vibration signature.
- 6. (ORIGINAL) The vehicle transmission system as recited in claim 1, wherein said first component comprises a shaft.

- 7. (WITHDRAWN) The vehicle transmission system as recited in claim 1, wherein said first component comprises a torsional damper.
- 8. (WITHDRAWN) The vehicle transmission system as recited in claim 1, wherein said first component comprises a transmission input shaft and said second component comprises a transmission output shaft.
- 9. (WITHDRAWN) The vehicle transmission system as recited in claim 1, wherein said first component comprises a vehicle wheel.
- 10. (WITHDRAWN) The vehicle transmission system as recited in claim 1, wherein said first component comprises a transmission housing.
- 11. (WITHDRAWN) The vehicle transmission system as recited in claim 1, wherein said relative movement comprises a torsion movement.
- 12. (WITHDRAWN) The vehicle transmission system as recited in claim 1, wherein said relative movement comprises an axial movement.

- 13. (CURRENTLY AMENDED) A method of controlling a vehicle transmission comprising the steps of:
- (1) determining a relative movement between a first rotational component and a second rotational component;
- (2) relating the relative movement of said step (1) to an approximately zero torque condition; and
- (3) shifting the vehicle transmission between a first and a second gear ratio in response to identification of the approximately zero torque condition.
- 14. (WITHDRAWN) A method as recited in claim 13 wherein said step (1) comprises determining a torsion movement.
- 15. (WITHDRAWN) A method as recited in claim 13 wherein said step (1) comprises determining an axial movement.
- 16. (WITHDRAWN) A method as recited in claim 13, wherein said step (1) comprises: determining a vibration.
- 17. (CURRENTLY AMENDED) A method of controlling a vehicle transmission comprising the steps of:
- (1) determining a speed irregularity between a first <u>rotational_component</u> and a second <u>rotational_component</u>;
- (2) relating the speed irregularity of said step (1) to an approximately zero torque condition; and
- (3) shifting the vehicle transmission between a first and a second gear ratio in response to identification of the approximately zero torque condition.
- 18. (NEW) The vehicle transmission system as recited in claim 1, wherein said first rotational component and said second rotational component are connected to a gear interface such that said second rotational interface rotates relative to said first rotational component through said gear interface.

- 19. (NEW) The vehicle transmission system as recited in claim 1, wherein said relative movement includes a predetermined signature between said first rotational component and said second rotational component.
- 20. (NEW) A method as recited in claim 13 wherein said step (1) comprises determining a predetermined noise signature indicative of the approximately zero torque condition.